

LESSON TITLE: VEHICLE INSPECTION**A. TRAINING OBJECTIVE**

TASK: Perform safety inspection and routine maintenance of a motor vehicle.

CONDITIONS: Given instruction in a classroom.

STANDARD: Correctly answer verbal questions when called upon.

B. INTERMEDIATE TRAINING. None.**C. ADMINISTRATIVE INSTRUCTIONS**

1. Training time: Recommended instructional time is 0.5 hours.
2. Training location: Scheduled classroom.
3. Training type: Conference.
4. Students: Scheduled personnel.
5. Principal and assistant instructors required: One primary instructor for each class of 20 students.
6. Training aids and equipment: Overhead projector, transparencies, television, VCR, screen, and TF (VT) 20-6371, Army Driver Improvement Program Number 6 - Randy Baker Driving Professionally (PIN: 706080DA). (Running time 13 minutes, 1988).
7. References: AR 385-55, DA Pamphlet 738-750, FM 21-305, and vehicle operator's manual or owner's manual.

D. SEQUENCE OF ACTIVITY**1. INTRODUCTION.**

- a. **Interest Device.** Having your vehicle inspected every 12 months, as is required by most states and military jurisdictions, is not enough to guarantee its safe operation. Regular routine maintenance should also be performed. While a mechanic may be needed to correct exhaust or suspension problems, you can handle many of the routine items yourself and discover early symptoms of what may become major safety problems.

b. **Tie in.** Drivers should be familiar with the different systems of the vehicle and in general know what to do to keep the vehicle in good working condition. This not only improves safety, it also ensures your vehicle is operating correctly to protect the environment.

c. **Lesson Objective.**

ACTION: After this lesson the student will be able to perform safety inspection and routine maintenance of a motor vehicle.

CONDITIONS: Given instruction in a classroom.

STANDARD: Correctly answer verbal questions when called upon.

d. **Procedures.**

(1) *Explanation.*

(2) *Summary.*

2. **EXPLANATION.**

a. **General.** Every driver should be familiar with the vehicle owners manual and study it carefully. Following the recommended maintenance schedules will help reduce costly repairs and inconveniences. In addition to the techniques described in this lesson, AMV operators must perform PMCS on their assigned vehicles according to the vehicle operator's manual and AR 385-55.

b. **Vehicle Inspection Checks.**

NOTE: Discuss transparencies 4-19 through 4-23 with the students. The 14 items listed on these transparencies are considered the most important for safe vehicle operation and are also what a novice should know. These transparencies can also be reproduced and used as student handouts.

Transparency 4-19

(1) *Headlights.*

(2) *Brake lights, signal lights, and horn.*

(3) *Windows and windshields.*

Transparency 4-20

(4) ***Tires.***

(5) ***Brakes.***

Transparency 4-21

(6) ***Steering.***

(7) ***Suspension.***

(8) ***Exhaust.***

NOTE: Ensure your vehicles exhaust is operating “leak free” to protect yourself and the environment.

Transparency 4-22

(9) ***Windshield wipers.***

(10) ***Engine and tune-up.***

(11) ***Cooling system.***

Transparency 4-23

(12) ***Oil and oil filter.***

(13) ***Battery.***

(14) ***Safety belts and child safety seats.***

c. **Additional Training Aid.** Show TF (VT) 20-6371, Army Driver Improvement Program Number 6 - Randy Baker Driving Professionally (PIN: 706080DA). (Running time 13 minutes, 1988).

3. SUMMARY.

Transparency 4-24

a. **Recap Main Points.** Call on students to answer questions presented on Transparency 4-24. Also remind students that even small amounts of engine oil, cooling liquids, and brake fluid leaks can add up. These spills can cause a run off during a rain that could pollute local water systems.

NOTE: Contain any know spill and report it ASAP in accordance with your units SOP.

b. **Allow for Questions.**

c. **Clarify Questions.**

d. **Give Closing Statement.** By following the general guidelines presented in this lesson, your vehicle should be safer, more reliable, and less likely to break down on the road.

E. SAFETY RESTRICTIONS. None.

F. ADDITIONAL COMMENTS AND INFORMATION. None.